

## Abstract

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Title of Thesis:                  Flow equation. Sorbitol

In this diploma thesis, the granulometric, bulk and consolidation properties of sorbitol for direct compression are studied. The effect of particle size on bulk and tapped density, angle sprinkles and the flow rate through the model conical hopper with a different orifice diameter are examined. The relationship of the flow rate (g/s) of particle size fractions on the orifice diameter is modelled by the Jones-Pilpel equation with the accuracy of the flow rate prediction approximately 10 %.